

from 2.8 to 4.2

from 6.5 to 7 or from 7 to 7.5 or from
7.5 to 8 or from 8 to 8.5 or from 8.8 to
9 or from 9 to 9.5

B11
from 4 to 6.2

from 6.5 to 7 or from 7 to 7.5 or from
7.5 to 8 or from 8 to 8.5 or from 8.5 to
9 or from 9 to 9.5

from 6 to 10

from 6.5 to 7 or from 7 to 7.5 or from
7.5 to 8 or from 8 to 8.5 or from 8.5 to
9 or from 9 to 9.5--.

Page 14, line 22, "nat" should read --not--.

IN THE CLAIMS

Please amend the claims as follows:

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1. (Amended) A method for cleaning a dirty
surface, [wherein water is squirted against the dirty surface
in order to wash away the dirt with the water,] comprising the
steps of mixing [the] water and compressed air having an air
pressure; [are mixed, after which the water is squirted]
squirting the water against the dirty surface in a spray of
droplets, wherein [use is made of] said step of mixing
comprises the step of providing a nozzle device having coaxial

~~bores, [the] having an upstream [wider] portion [of which
serving as a mixing chamber] wherein the water and the
compressed air are mixed [and wherein the] to obtain a mixture
[obtained has an overpressure relative to the environment]
having a pressure higher than a pressure outside said nozzle,
and [the] a downstream [narrower] portion narrower than said
upstream portion [of which acting as] comprising a fluid port.~~

C 2. (Amended) A method according to claim ^{1/40} 1,

B12 wherein [the fluid port is a nozzle, wherein] the spray of
droplets exits said nozzle from said fluid port and is squirted
against the dirty surface downstream of the nozzle.

C 3. (Amended) A method according to claim ^{1/40} 1,

wherein the fluid port leads to a second chamber [having a
nozzle,] and wherein the spray of droplets is squirted against
the dirty surface downstream of the [nozzle] second chamber.

C 4. (Amended) A method according to claim ^{1/40} 1,

wherein the air pressure is at least 1 bar[, preferably at
least 1.5 bar].

5. (Amended) A method according to [claim 1]
claim 4, wherein the air pressure can be regulated[, in
particular steplessly so].

B12c 6. (Amended) A method according to claim ¹~~4~~,
wherein pressurized water having a water pressure is supplied
to [the mixing chamber at a predetermined pressure, downstream]
said upstream portion of the nozzle device.

7. (Amended) A method according to claim 6,
wherein the water pressure can be regulated[, preferably
steplessly so].

C 9. (Amended) A method according to claim ¹~~4~~,
wherein the air pressure and the water pressure are set to a
ratio ranging between 2 : 1 and 1 : 2, respectively.

B13c 10. A method according to claim ¹~~4~~, wherein the
water is squirted against the surface in a spray of droplets,
from a distance which is smaller than [the] a distance at which

the water becomes turbulent downstream of the nozzle due to
lack of impetus.

C 11. (Amended) A method for cleaning according to
claim 1 wherein the surface to be cleaned is [on] a surface of
flower bulbs, flower tubers or perennial plants and wherein
[the] a range of water pressure and [the] a range of air
pressure measured as an overpressure relative to the water
B13 pressure are [set as follows: water pressure (bar) air
pressure (bar, as an overpressure relative to the water
pressure)] selected from the following groups (i) to (v):

(i) water pressure from 0.5 to 1.5 bar and air pressure
from 8 to 8.5 bar;

(ii) water pressure from 1.5 to 3 bar and air pressure
from 7.5 to 8 bar;

(iii) water pressure from 2.8 to 4.2 bar and air
pressure from 5.5 to 6 bar;

(iv) water pressure from 4 to 6.2 bar and air pressure
from 5 to 5.5 bar; and

(v) water pressure from 6 to 10 bar and air pressure from 3.5 to [4 or from 4 to 4.5 or from 4.5 to 5 or from 5 to 5.5 or from 5.5 to 6 or from 6 to] 6.5 bar.

C 12. (Amended) A method for cleaning according to claim ~~1~~ wherein the surface to be cleaned is ~~on~~ a surface of soft fruit[, in particular strawberries, grapes, plums, red currants, blueberries or peaches], and wherein [the] a range of water pressure and [the] a range of air pressure measured as an overpressure relative to the water pressure are [set as follows: water pressure (bar) air pressure (bar, as an overpressure relative to the water pressure)] selected from the following groups (i) to (ii):

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(i) water pressure from 0 to 0.5 bar and air pressure from 1.5 [to 2 or from 2] to 2.5 bar; and

(ii) water pressure from 0.5 to 1.5 and air pressure from 1.5 [to 2 or from 2] to 2.5 bar.

C 13. (Amended) A method for cleaning according to claim ~~1~~ wherein the surface to be cleaned is [on] a surface of medium hard crops[, in particular leek, asparagus, beans, stone

leeks, paprikas, gherkins, cucumbers, cabbage varieties
(cauliflower, white cabbage, green cabbage, red cabbage, etc.)
or tomatoes], and wherein [the] a range of water pressure and
[the] a range of air pressure measured as an overpressure
relative to the water pressure are [set as follows:

water pressure (bar) air pressure (bar, as an overpressure
relative to the water pressure)]

selected from the following groups (i) to (iii):

B13 (i) water pressure from 2.8 to 4.2 bar and air pressure
from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to
8.5 or from 8.5 to 9 or from 9] to 9.5 bar;

(ii) water pressure from 4 to 6.2 bar and air pressure
from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to
8.5 or from 8.5 to 9 or from 9] to 9.5 bar; and

(iii) water pressure from 6 to 10 bar and air pressure
from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to
8.5 or from 8.5 to 9 or from 9] to 9.5 bar.

C 14. (Amended) A method for cleaning according to
claim 1 wherein the surface to be cleaned is [on] a surface of
hard crops, [in particular carrots, scorzoneras and rootstocks

and/or fruit trees, stem crops and/or root crops for multiplication purposes, products stemming from the cultivation of onions and/or silver-skin onions or carrots] and wherein [the] a range of water pressure and [the] a range of air pressure measured as an overpressure relative to the water pressure are [set as follows:

water pressure (bar) air pressure (bar, as an overpressure relative to the water pressure)]

selected from the following groups (i) to (iii):

(i) water pressure from 2.8 to 4.2 bar and air pressure from 9.5 [to 10 or from 10 to 15 or from 15] to 20 bar;

(ii) water pressure from 4 to 6.2 bar and air pressure from 9.5 [to 10 or from 10 to 15 or from 15] to 20 bar; and

(iii) water pressure from 6 to 10 bar and air pressure from 9.5 [to 10 or from 10 to 15 or from 15 to] 20 bar.

15. (Amended) A method for cleaning according to claim ¹⁴ wherein the surface to be cleaned is ~~on~~ sugar beets, beetroots or potatoes, or the products stemming therefrom, [in particular] potato chips, pulp and cattle fodder products and

wherein the water pressure [and the air pressure are set as follows:

water pressure (bar) air pressure (bar, as an overpressure
relative to the water pressure)
from 6 to 10 from 4 to 4.5 or from 4.5 to 5 or from 5
to 5.5 or from 5.5 to 6 or from 6 to 6.5
or from 6.5 to 7 or from 7 to 7.5 or from
7.5 to 8 or from 8 to 8.5 or from 8.5 to
9 or from 9 to 9.5 or from 9.5 to 10 or
from 10 to 15 or from 15 to 20]

is between 6 and 10 bar and the air pressure has an
overpressure of 4.0 to 20 bar relative to said water pressure.

16. (Amended) A method for cleaning according to
claim ~~1~~ wherein the surface to be cleaned is [on] a surface of
roads, [in particular porous asphalt,] and wherein the water
pressure [and the air pressure are set as follows:

water pressure (bar) air pressure (bar, as an overpressure
relative to the water pressure)
from 6 to 10 from 7 to 7.5 or from 7.5 to 8 or from 8
to 8.5 or from 8.5 to 9 or from 9 to 9.5

or from 9.5 to 10 or from 10 to 15 or
from 15 to 20]

is between 6 and 10 bar and the air pressure has an
overpressure of 7 to 20 bar relative to said water pressure.

C 17. (Amended) A method for cleaning according to
claim 1 wherein the surface to be cleaned is ~~on~~ vehicles, [in
particular] passenger cars in a car wash[,]; or trains, buses
or lorries in special washing facilities, and wherein the water
pressure [and the air pressure are set as follows:

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water pressure (bar) air pressure (bar, as an overpressure
relative to the water pressure)
from 0.5 to 1.5 from 2.5 to 3 or from 3 to 3.5 or from
3.5 to 4 or from 4 to 4.5 or from 4.5 to
5 or from 5 to 5.5 or from 5.5 to 6.]

is between 0.5 and 1.5 bar and the air pressure has an
overpressure of 2.5 to 6 bar relative to said water pressure.

C 18. (Amended) A method for cleaning according to
claim 1 wherein the surface to be cleaned is [on] a surface of
crookery, cutlery [and the like] in a dishwasher, [and] or

machines or tools in an industrial washing-up machine, and wherein the water pressure [and the air pressure are set as follows:

water pressure (bar)	air pressure (bar, as an overpressure relative to the water pressure)
from 0.5 to 1.5	from 4.5 to 5 or from 5 to 5.5 or from 5.5 to 6 or from 6 to 6.5 or from 6.5 to 7 or from 7 to 7.5 or from 7.5 to 8]

B13 is between 0.5 and 1.5 bar and the air pressure has an overpressure of 4.5 to 8 bar relative to said water pressure.

C 19. (Amended) A method for cleaning according to claim 1 wherein the surface to be cleaned is [on] a surface of persons, [using a shower head,] and wherein [the] a range of water pressure and [the] a range of air pressure measured as an overpressure, relative to the water pressure are [set as follows:

C water pressure (bar) air pressure (bar, as an overpressure relative to the water pressure)]

selected from the following groups (i) to (iii):

(i) water pressure from 0.5 to 1.5 bar and air pressure from 1.5 [to 2 or from 2 to 2.5 or from 2.5 to 3 or from 3 to 3.5 or from 3.5 to 4 or from 4 to 4.5 or from 4.5] to 5; and

(ii) water pressure from 1.5 to 3 bar and air pressure from 1.5 [to 2 or from 2 to 2.5 or from 2.5 to 3 or from 3 to 3.5 or from 3.5 to 4 or from 4 to 4.5 or from 4.5] to 5.

C13 20. (Amended) A method for cleaning according to claim 1 wherein the surface to be cleaned is ~~on~~ [^] hard surfaces, [in particular facades of houses, industrial and commercial buildings, glass, plastics and metal] and wherein the water pressure [and the air pressure are set as follows:

water pressure (bar) air pressure (bar, as an overpressure relative to the water pressure)

from 6 to 10 from 9.5 to 10 or from 10 to 15 or from 15 to 20]

is between 6 and 10 bar and the air pressure has an overpressure of 9.5 to 20 bar relative to said water pressure.

C 21. (Amended) A method for cleaning according to claim 1 wherein the surface to be cleaned is ~~on~~ [^] soft surfaces[,

in particular wool or fibrous materials, such as cotton, flax, textile, silk or paper] and wherein [the] a range of water pressure and [the] a range of air pressure measured as an overpressure relative to the water pressure are [set as follows:

water pressure (bar) air pressure (bar, as an overpressure
relative to the water pressure)]

B¹³ selected from the following groups (i) to (iii):

(i) water pressure from 2.8 to 4.2 bar and air pressure from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to 8.5 or from 8.8 to 9 or from 9] to 9.5 bar;

(ii) water pressure from 4 to 6.2 bar and air pressure from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to 8.5 or from 8.5 to 9 or from 9] to 9.5 bar; and

(iii) water pressure from 6 to 10 bar and air pressure from 6.5 [to 7 or from 7 to 7.5 or from 7.5 to 8 or from 8 to 8.5 or from 8.5 to 9 or from 9] to 9.5 bar.